

# Converting Colors

Hex(65D951)

Have a look what the booklet for  
Hex(65D951) contains.

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# **Color**

**Hex(65D951)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65D951
RGB	101, 217, 81
RGB Percent	40%, 85%, 32%
CMY	0.6039, 0.1490, 0.6824
CMYK	0.53, 0.00, 0.63, 0.15
HSL	111°, 64%, 58%
HSV	111°, 63%, 85%
XYZ	31.6649, 52.9865, 16.3431
YIQ	166.8120, -25.4800, -66.8880

# Conversions

## Conversions Part 2

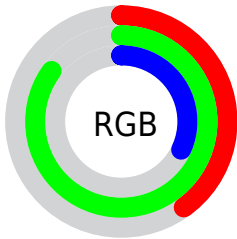
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 217, 197
Decimal	6674769
CIELab	77.87, -57.98, 55.55
CIELCh	78, 80.298, 136.227
Yxy	52.9865, 0.3135, 0.5246
Android (android.graphics.Color)	4284864849 (0xFF65D951)
YUV	166.8120, -42.3053, -57.7171
Hunter-Lab	72.7918, -49.7371, 37.6426

# Details

The Hex color **65D951** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **C551D9**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **A1FF87**, and **1EA116** is the 20% darker color. If you saturate the color by 10%, you get **52D93B**, and if you desaturate by 10%, it is **78D967**.

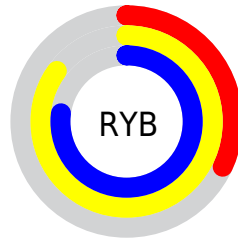
# Distribution



Red (40%)

Green (85%)

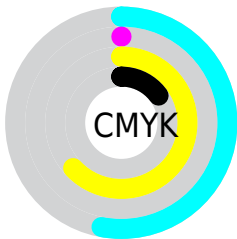
Blue (32%)



Red (32%)

Yellow (85%)

Blue (77%)

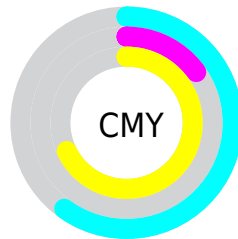


Cyan (53%)

Magenta (0%)

Yellow (63%)

Black (15%)



Cyan (60%)

Magenta (15%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65D951 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 65D951 by changing the saturation by 10% instead.



 65D951

 65D951

FFFFFF

 45BD36

 A1FF87

 1EA116

 BEFFA3

 008600

 DCFFBF

 006C00

 FBFFDC

 005200

 FFFFF9

 003A00

 002200

 000000

 65D951

 65D951

 52D93B

 78D967

 40D926

 8AD97C

 2DD910

 9DD992

 20D900

 AFD9A8

 C2D9BD

 D4D9D3

 E7D9E9

 F9D9FF

 FFD9FF

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



BFC90A



65D951



00E19A

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65D951



00D3FF



FF779B

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65D951



C551D9

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF7BE6



65D951



75BBFF

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65D951



00DFFF



F79AFF



FF9157

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65D951



00E3CE



F79AFF



FF75B4

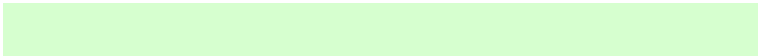


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65D951



D6FFCF



D9C551



668062



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65D951



5CFF40



51D981



646E63



19AD00



072E00



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



C551D9



E340FF



D951A9



6C636E



9400AD

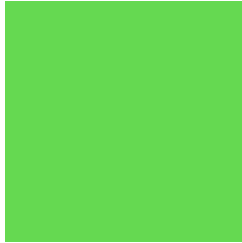


27002E



# Previews

## White Background



This preview shows how the Hex color 65D951 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 65D951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

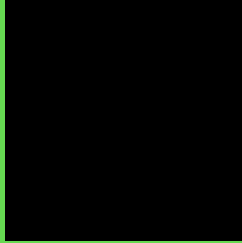
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 65D951 Background



This preview shows how black text looks on a background with the Hex color 65D951.

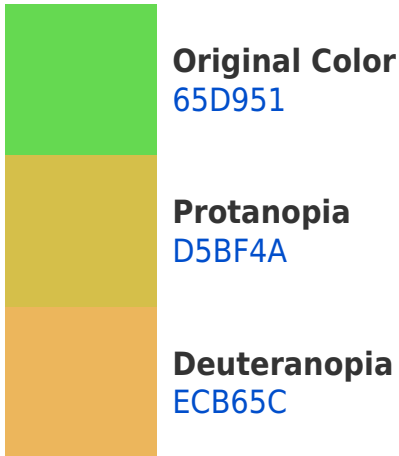


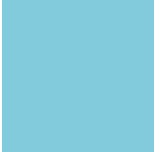
This preview shows how white text looks on a background with the Hex color 65D951.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

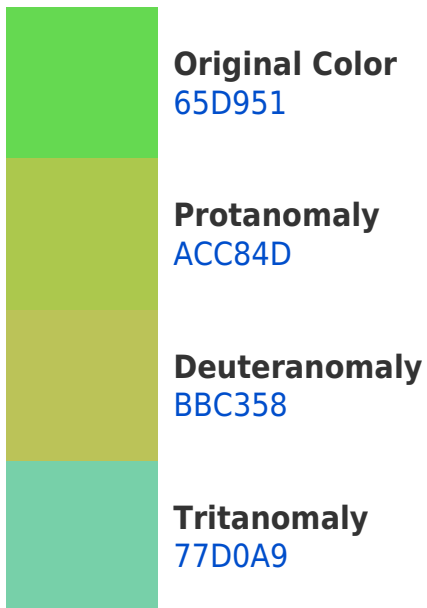
## Dichromacy



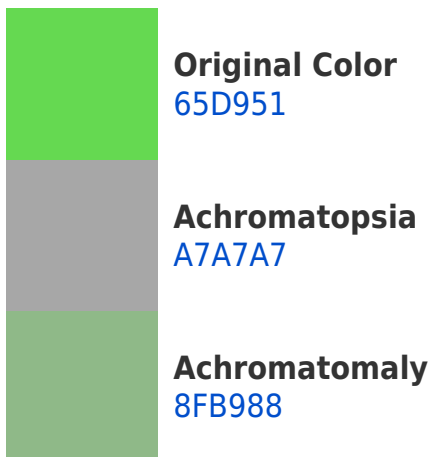


**Tritanopia**  
81CBDC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65D951 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #65D951 looks like.

```
.text, #text, p{  
    color:#65D951  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #65D951 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65D951
}
```

## Border

The CSS property to change the border of an element to Hex 65D951 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#65D951 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#65D951 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #65D951 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65D951; -webkit-box-shadow:4px 4px  
4px 4px #65D951; box-shadow:4px 4px 4px  
4px #65D951 }
```

# Background

The CSS property to change the background color of an element to Hex 65D951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65D951 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#65D951 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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